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10/799,214	03/12/2004	Ravinder Patnam Krishnaswamy	G&C 30566.315-US-01	7441
55895	7590	08/25/2006	EXAMINER	
GATES & COOPER LLP HOWARD HUGHES CENTER 6701 CENTER DRIVE WEST, SUITE 1050 LOS ANGELES, CA 90045			NGUYEN, PHILLIP H	
			ART UNIT	PAPER NUMBER
			2194	

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Please find below and/or attached an Office communication concerning this application or proceeding.



### **DETAILED ACTION**

1. This action is in response to the original filing of March 12, 2004. Claims 1-18 are pending and have been considered below.

#### ***Claim Objections***

2. Claims 6, 12, and 8 are objected to because of the following informalities:  
Claim 6 should depend on claim 1.  
Claim 12 should depend on claim 7.  
Claim 18 should depend on claim 13  
Appropriate correction is required.

#### ***Claim Rejections - 35 USC § 102***

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1-18 are rejected under 35 U.S.C. 102(b) as being anticipated by Glerum et al (US 6,785,848 B1).

5. Claim 1: Glerum discloses a method for providing contextual diagnostic data at a point of failure of a software program comprising:

- a. Registering callbacks for one or more modules and sub-applications within the program (Col 5, line 47-56);
- b. Examining a call stack for the program upon failure of the program (Col 6, line 23-45);
- c. Notifying the registered callbacks for the modules and sub-applications based on the examined call stack (Col 7, line 30-40);
- d. Performing callback processing, wherein the notified callbacks of the modules and sub-applications extract and supply context data (Col 8, line 37-50); and
- e. Packing the context data supplied by the notified callbacks of the modules and sub-application (Col 8, line 60-67).

Claim 2: Glerum discloses a method for providing contextual diagnostic data at a point of failure of a software program as in claim 1 above; and further discloses registering callbacks for the modules and sub-applications when an address of a procedure or function within the modules and sub-applications is on the call stack upon the failure of the program (Col 6, line 50-67; Col 7, line 1-5).

Claim 3: Glerum discloses a method for providing contextual diagnostic data at a point of failure of a software program as in claim 1 above; and further discloses the context data comprised of stack data, heap data, global data or external data (Col 8, line 37-50).

Claim 4: Glerum discloses a method for providing contextual diagnostic data at a point of failure of a software program as in claim 1 above; and further discloses storing the packaged context data (Col 8, line 37-50).

Claim 5: Glerum discloses a method for providing contextual diagnostic data at a point of failure of a software program as in claim 1 above; and further discloses transferring the packaged context data to a server computer (Col 8, line 60-67).

Claim 6: Glerum discloses a method for providing contextual diagnostic data at a point of failure of a software program as in claim 1 above; and further discloses storing the transferred packaged context data on the server computer (Col 9, line 1-20).

Claim 7: Glerum discloses an apparatus for providing contextual diagnostic data at a point of failure of a software program comprising:

- a. Registering callbacks for one or more modules and sub-applications within the program (Col 5, line 47-56);
- b. Examining a call stack for the program upon failure of the program (Col 6, line 23-45);
- c. Notifying the registered callbacks for the modules and sub-applications based on the examined call stack (Col 7, line 30-40);
- d. Performing callback processing, wherein the notified callbacks of the modules and sub-applications extract and supply context data (Col 8, line 37-50); and
- e. Packing the context data supplied by the notified callbacks of the modules and sub-application (Col 8, line 60-67).

Claim 8: Glerum discloses an apparatus for providing contextual diagnostic data at a point of failure of a software program as in claim 7 above; and further discloses registering callbacks for the modules and sub-applications when an address of a procedure or function within the modules and sub-applications is on the call stack upon the failure of the program (Col 6, line 50-67; Col 7, line 1-5).

Claim 9: Glerum discloses an apparatus for providing contextual diagnostic data at a point of failure of a software program as in claim 7 above; and further discloses the context data comprised of stack data, heap data, global data or external data (Col 8, line 37-50).

Claim 10: Glerum discloses an apparatus for providing contextual diagnostic data at a point of failure of a software program as in claim 7 above; and further discloses storing the packaged context data (Col 8, line 37-50).

Claim 11: Glerum discloses an apparatus for providing contextual diagnostic data at a point of failure of a software program as in claim 7 above; and further discloses transferring the packaged context data to a server computer (Col 8, line 60-67).

Claim 12: Glerum discloses an apparatus for providing contextual diagnostic data at a point of failure of a software program as in claim 7 above; and further discloses storing the transferred packaged context data on the server computer (Col 9, line 1-20).

Claim 13: Glerum discloses an article of manufacture embodying logic for providing contextual diagnostic data at a point of failure of a software program comprising:

- a. Registering callbacks for one or more modules and sub-applications within the program (Col 5, line 47-56);
- b. Examining a call stack for the program upon failure of the program (Col 6, line 23-45);
- c. Notifying the registered callbacks for the modules and sub-applications based on the examined call stack (Col 7, line 30-40);
- d. Performing callback processing, wherein the notified callbacks of the modules and sub-applications extract and supply context data (Col 8, line 37-50); and
- e. Packing the context data supplied by the notified callbacks of the modules and sub-application (Col 8, line 60-67).

Claim 14: Glerum discloses an article of manufacture embodying logic for providing contextual diagnostic data at a point of failure of a software program as in claim 13 above; and further discloses registering callbacks for the modules and sub-applications when an address of a procedure or function within the modules and sub-applications is on the call stack upon the failure of the program (Col 6, line 50-67; Col 7, line 1-5).



Claim 15: Glerum discloses an article of manufacture embodying logic for providing contextual diagnostic data at a point of failure of a software program as in claim 13 above; and further discloses the context data comprised of stack data, heap data, global data or external data (Col 8, line 37-50).

Claim 16: Glerum discloses an article of manufacture embodying logic for providing contextual diagnostic data at a point of failure of a software program as in claim 13 above; and further discloses storing the packaged context data (Col 8, line 37-50).

Claim 17: Glerum discloses an article of manufacture embodying logic for providing contextual diagnostic data at a point of failure of a software program as in claim 13 above; and further discloses transferring the packaged context data to a server computer (Col 8, line 60-67).

Claim 18: Glerum discloses an article of manufacture embodying logic for providing contextual diagnostic data at a point of failure of a software program as in claim 13 above; and further discloses storing the transferred packaged context data on the server computer (Col 9, line 1-20).

### **CONCLUSION**

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

a. Grover et al (US 2004/0059964 A1) discloses method for notification of an error in data exchanged between a client and a server.

b. Dawkins et al (US 6,839,892 B2) discloses operating system debugger extensions for hypervisor debugging.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phillip H. Nguyen whose telephone number is (571) 270-1070. The examiner can normally be reached on Monday - Friday 10:00 AM - 3:00 PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James Myhre can be reached on (571) 270-1065. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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James W. Myhre  
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